

CENG 491

PROJECT PROPOSAL

Company Name:

Logiciel

Group Members and Roles:

1394576 – Onur AK - Leader, Initiator

e1394576@ceng.metu.edu.tr

1394832 – Şerif ÇETİNER – Research Manager, Optimist

e1394832@ceng.metu.edu.tr

1395540 – Sadettin ŞEN – Recorder, Summarizer, Optimist

e1395540@ceng.metu.edu.tr

1395565 – Mashar TEKİN – Devil’s Advocate, Timekeeper, Gatekeeper, Spokesman

e1395565@ceng.metu.edu.tr

Project Name:

Turkuaz

Project Description:

In this project, we aim to get meaningful information from free-text radiology reports by using text-mining. After classifying the information, these datum can be stored in a database it makes the patient records searchable. It's been envisioned to develop an infrastructure to extract information out of Natural Language text (that complies no standard form), storing the filtered data in the database and thus make the information searchable. The scope of this project will cover documents out of radiology reports rather than internet.

From the researches we have made so far, we have seen that NLP (Natural Language Processing) is used together with Machine Learning (ML). So we have decided to use both methods for project.

Ground Rules:

- We will have meetings twice a week which will be held on Tuesday (19:00-21:00) and Thursday (13:00 – 14:30). The members who can not attend to the meetings must inform the leader and leader can postpone the meeting.
- Every member has to be prepared for the meetings.
- We will have a mail group in which all documents and files are stored about the project and all members must regularly check this mail group.
- It is the recorder duty to upload the writings recorded during the meeting into the mail group and this has to be done in the very same day.
- In the meetings, all members will be assigned a weekly task and these will be checked by the gatekeeper. There will be punishment for the ones who did not complete the weekly tasks.

Expected Grades:

Onur AK	-	BB
Şerif ÇETİNER	-	BB
Sadettin ŞEN	-	BB
Mashar TEKİN	-	BA
Average:		BB

Project Planning:

Our project will last for 8 months. The main steps are :

- Research
- Learning
- Design
- Implementation
- Testing and Debugging
- Development

Budget and Marketing Price Estimation:

Expected budget is 100.000 YTL and we have calculated this for 4 employees having worked 8 months on a project and the expenditure of our company.

Expected marketing price is 150.000 YTL.